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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/608,856	06/30/2000	Jin Yang	42390. P8533	2493
7590	04/28/2004		EXAMINER	
Blakely Sokoloff Taylor & Zafman LLP 12400 Wilshire Boulevard 7th Floor Los Angeles, CA 90025			BRODA, SAMUEL	
			ART UNIT	PAPER NUMBER
			2123	
			DATE MAILED: 04/28/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	<b>Application N.</b>	<b>Applicant(s)</b>
	09/608,856	YANG, JIN
Examiner	Art Unit	
Samuel Broda	2123	

## ***Office Action Summary***

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 30 June 2000.

2a)  This action is **FINAL**.                            2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4)  Claim(s) 1-30 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration  
5)  Claim(s) \_\_\_\_\_ is/are allowed.  
6)  Claim(s) \_\_\_\_\_ is/are rejected.  
7)  Claim(s) \_\_\_\_\_ is/are objected to.  
8)  Claim(s) 1-30 are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All    b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1)  Notice of References Cited (PTO-892) 4)  Interview Summary (PTO-413)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date. \_\_\_\_ .  
3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date .  
5)  Notice of Informal Patent Application (PTO-152)  
6)  Other: \_\_\_\_ .

## DETAILED ACTION

### *Election/Restriction*

1. As the claims were originally presented, restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-15, 20-24, and 29-30, drawn to a computer program product and system for strengthening a first antecedent label for an edge in an assertion graph, classified in class 703, subclass 2.
- II. Claims 16-19 and 25-28, drawn to a method and system for computing two simulation relations to see if a second simulation relation is contained by a consequence label, classified in class 703, subclass 13.

1.1 Inventions of Groups I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable.

In the instant case, the invention of Group I has separate utility such as determining that a model meets normal satisfiability requirements because the model strongly satisfies the antecedent assertion graph. See Specification at page 18 lines 22-23 and page 20 lines 13-18.

The invention of Group II has separate utility such as using a simulation sequence to verify implication properties. See Specification at page 6 lines 16-19.

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This separate use distinguishes the invention of Group II from the invention of Group I since the verification of implication properties through simulation relations (Group II) is not dependent on strengthening an antecedent label for an edge in an assertion graph (Group I), and is not a limitation of those independently claimed inventions. Therefore, the invention of Group II is a separately useable subcombination. See MPEP § 806.05(d).

**1.2** Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and/or recognized divergent subject matter, restriction for examination purposes as indicated is proper.

**1.3** A telephone call was made to Mr. William Alford, Reg. No. 37,764, on 20 April 2004 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that a reply to this requirement must include an election of the invention to be examined, even though the requirement may be traversed under 37 CFR 1.143.

**2.** Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Samuel Broda, whose telephone number is (703) 305-1026. The Examiner can normally be reached on Mondays through Fridays from 8:00 AM – 4:30 PM.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Kevin Teska, can be reached on (703) 305-9704. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist, whose telephone number is (703) 305-3900.



**SAMUEL BRODA, ESQ.  
PRIMARY EXAMINER**